

in IDS

LOCUS MAU18263 1665 bp DNA linear BCT 26-OCT-1995
 DEFINITION Mycobacterium avium alkyl hydroperoxidase C (ahpC) gene, complete
 cds, and OxyR homolog gene, complete cds.
 ACCESSION U18263
 VERSION U18263.1 GI:1040852
 SOURCE Mycobacterium avium
 ORGANISM Mycobacterium avium
 Bacteria; Actinobacteria; Actinobacteridae; Actinomycetales;
 Corynebacterinæ; Mycobacteriaceae; Mycobacterium; Mycobacterium
 avium complex (MAC).
 1 (bases 1 to 1665)
 REFERENCE AUTHORS Sherman, D.R., Sabo, P.J., Hickey, M.J., Arain, T.M., Mahairas, G.G.,
 Yuan, Y., Barry, C.E. III and Stover, C.K.
 TITLE Disparate responses to oxidative stress in saprophytic and
 pathogenic mycobacteria
 JOURNAL Proc. Natl. Acad. Sci. U.S.A. 92 (14), 6625-6629 (1995)
 REFERENCE AUTHORS Yamaguchi, R., Matsuo, K., Yamazaki, A., Takahashi, M., Fukasawa, Y.,
 Wada, M. and Abe, C.
 TITLE Cloning and expression of the gene for the Avi-3 antigen of
 Mycobacterium avium and mapping of its epitopes
 JOURNAL Infect. Immun. 60 (3), 1210-1216 (1992)
 REFERENCE AUTHORS Hickey, M.J.
 TITLE Direct Submission
 JOURNAL Submitted (07-DEC-1994) Mark J. Hickey, TB & Molecular
 Microbiology, PathoGenesis Corp., 201 Elliott Ave. W., Seattle, WA
 98119, USA

Query Match 14.1%; Score 235.8; DB 1; Length 1665;
 Best Local Similarity 55.3%; Pred. No. 5.7e-48;
 Matches 506; Conservative 0; Mismatches 397; Indels 12; Gaps 2;

Qy	469 ATTACCGTTATAGTTATAGGCATGAGCAATAAGAGTACCGGCCACACTCGCCAGCT	528
Db	682 ATTTCCCACTACACTTATAGGTATGCCGATAAGACTTATCAGCCCACGATGCCGGCCT	741
Qy	529 TCGCACCTTGTCAACCATCGCAGAATGCAAGCACTTGGTACTGCTGCCACCAAGCTGTC	588
Db	742 GCGCGCCTTCGTCGGTCGCCGAGAACGCGCAATTAGCGGTGCCGAAACGGCTTGGG	801
Qy	589 CATTTCGCAGCCATCCCTCTCCAGGCACTTGTCGCATTAGAACAGGCCTGGAGTTCA	648
Db	802 AGTCAGCCAGTCGACGCTGTCGCAAGGTGTTGGCGCGCTGGAGGGCGGGCTGGGCACGCA	861
Qy	649 GCTGATTGAACGCTCCACCGCAAGGTCAATTGTCACCCCAGCGGGCGAGAACAGTTGCTGCC	708
Db	862 GTTGGTGGAGCGCTCCACCCGGCGTGTCTTCTTGACACCCCAGGGCGCCAGCTGCTGCC	921
Qy	709 ATTGCACAAATCCACCCCTGACCGCGGAGTCTTCCTCTCCACGCCAACGGGCCAA	768
Db	922 GCACGCCAGGCCGTGGTCGAGGCAGGCCACGCCCTCACCGCGGCCGGCTCGAC	981
Qy	769 CGGTTCGCTCACTGGACCGTTGACCGTAGGCATACCCCAAGGGCGGCCAA	828
Db	982 GGACCCGTTGCCGGCGGCATGCCGGCTGGGCTGATCCCCACGGTGGTGCCTACGTGCT	1041

Qy	829	GCCGTCAATGCTGTCCATCGTGGATGAAGAATATCCAGATCTGGAACCTCACATCGTCGA	888									
Db	1042	GCCGACCGTGCTGCCCGGAATCGCCGAACGGCGGCCCGGCCTGACCCCTGCAGGGTCACCGA	1101									
Qy	889	GGACCAAACCAAGCATCTTCGCGTTGCTGCGCAGCGGCCATCGACGTCGCCATGAT	948									
Db	1102	GGACCAACCGAACGGCTGCTGGCGGTGCTGCGCAGGGCGCCCTGACGCGGCCGTGAT	1161									
Qy	949	GGCCCTGCCTTCTGAGGCACCAGGCATGAAGGAATCCCCCTCTACGACGAAGACTTTAT	1008									
Db	1162	CGCGCTGCCCGCCGAGACGGCGGCCGTACCGCGATCCGATCTACGACGAGGATTCGT	1221									
Qy	1009	CGTCGTTACAGCTAGCGATCACCCCTTCGCCGGCGCCAAGACTTAGAACTATCCGCCTT	1068									
Db	1222	GCTCGCGCTTCCGCCGGGCCACCGCTGGCGGGCAAGCGCCGGTGCCGGCGACGGCGCT	1281									
Qy	1069	AGAAGACCTCGATCTGCTGCTTCTCGACGACGGACACTGCCTCCACGACCAAATTGTGGA	1128									
Db	1282	GGCGACCTGCCGCTGCTGCTGGACGAGGGCACTGCCTGCGGACCCAGGCGCTGGA	1341									
Qy	1129	CCTGTGCCGCCGGAGACATCAACCCATTAGCTCCACTACTGCTGTACCCGCGCATH	1188									
Db	1342	CGTCTGCCACAAGGGGGTGTGCGGGGGAGCTGCCAAT-----ACCCGGGCCGC	1392									
Qy	1189	CAGCCTTACCAACCGTCATGCAGCTCGTCGCGCCGCTTGGATCCACCTGGTCCAAT	1248									
Db	1393	CTCGCTGCCACCGCGGTGCAGTGCCTGACCGGGGGCTGGGGTGACGCTCATCCGCA	1452									
Qy	1249	CAGCGCAATCCCATTGGGAATGCACCCGACCAGGACTGGCAACAGCCAACCTCAACTCTGA	1308									
Db	1453	GAGCGCGGTCCCAGGTGGAGGGCGTCGCGCAGCCGGCTGGGCTGGCCAGTTCGCCGCC	1512									
Qy	1309	TGTCACCGCAAACCGCCGCATTGGATTGGTGTACCGTTCCCTTCTCGCGCCGAAGA	1368									
Db	1513	GCGCCCCG---GCCGGCGCATCGGCCTGGTGTTCGCTCGAGCGGGCGCGACGACTC	1569									
Qy	1369	GTTCGAACAGTTGC	1383									
Db	1570	CTACCGCGAGCTGGC	1584									